VIPER®

NO ONE DARES COME CLOSE®

ARMED
VIPER
HD

VIPER
LC3

VIPER
LE

VIPER®

WHAT'S NEW 2009

Responder HD

Start at the top with the Innovations Award-winning Viper 7901, featuring Directed's most advanced color remote, operating a one-mile range, 2-Way security and remote start system with an upgraded user interface, mini-USB charging port and patented menu wheel. Some of the milestones achieved by our team include:

- Directed's first one-mile™ range color remote, using 900 MHz Spread Spectrum Technology (SST)
- Priority user interface based on Directed's patented Menu Wheel
- New custom Viper animations, to confirm user commands and illustrate system events, on a 128 x 128 pixel Organic Light Emitting Diode (OLED) full color high contrast panel, with a wide 160° viewing angle, employing an anti-glare polarizer for enhanced daylight visibility
- 20% larger OLED display panel than any previous Viper LCD on a keychain remote.

Viper Responder HD offers nothing less than a new higher level of connection between drivers and their vehicles!

Responder 350

More than ever, security customers want 2-Way remote technology. Viper adds to your mix with the Responder 350– proven Responder technology on the popular "350" platform. The more powerful 5002 is still the choice for more channels, more input zones and more onboard relays.
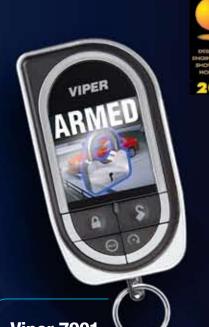
Viper 350 Plus

New for 2009 – significant upgrades to the best-selling Viper 350, including:

- Dedicated arm and disarm buttons – your customers love them
- Easier and faster installs with the Control Center – no drilling
- XR+ Superheterodyne Receiver for improved performance

Ask your Directed Sales Manager how the Viper 350 Plus and Responder 350 can boost your bottom line this year!

Viper 5901
LCD 2-Way

Responder LC3 combines range of up to one mile with great new features like Active Temp Check, rechargeable battery, and mini-USB charging port!

Viper 350 Plus
1-Way Security

The "Plus" in 350 Plus includes the XR+ Superhet Receiver for improved range, installer-friendly Control Center, and new style four-button remotes!

Viper 7901
Color 2-Way

Use the patented Menu Wheel to quickly scroll through system features, then press the wheel to assign that feature to one of the four buttons!

Viper Responder 350
LCD 2-Way

Add a 2-Way LCD remote to the all-time best-selling Viper 350 and the result is Viper's most affordable 2-Way security system ever!

Responder One
One Button 2-Way

Winner of the 2009 CES Innovations Award, Responder One means one button remote start with range up to 2000 feet, plus LED confirmation!

DESIGN & ENGINEERING SHOWCASE HONORS 2009 INNOVATIONS INTERNATIONAL CES

DESIGN & ENGINEERING SHOWCASE HONORS 2009 INNOVATIONS INTERNATIONAL CES

VIPER - NO ONE DARES COME CLOSE®

SECURITY AND REMOTE START
SYSTEMS

Viper 7901
Color 2-Way

Viper 5901
LCD 2-Way

Viper 5701
2-Way LED

Viper 5601
1-Way

Viper leads the industry in award-winning security & remote start hybrids with innovative, installer-friendly features designed to boost your margins in the tech bay, including Virtual Tach, D2D and XPRESSPORT™, Control Center, Manual Transmission mode, onboard shock sensor, onboard remote start relays and flex relays! Plus consumer-friendly features including TempCheck, Remote Start reset and range your customers can count on every time. That's what makes Viper the security & remote start leader!

Viper 7901 p/n 5902V
Responder HD 2-Way Security and Remote Start System

- Includes One SuperCode SST OLED 2-Way Remote and One 5-Button SuperCode SST 1-Way Remote
- 24 channel remote start, security and keyless entry system
- SST One Mile Range
- Color OLED display with 65k colors
- Rechargeable battery with mini-USB charging port
- Priority Graphical User Interface
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Confirms commands and notifies of system triggers on the remotes Color OLED screen
- Tone and vibrate alert modes
- Defroster Output*
- Active Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind
- Horn Honk*
- SuperCode Technology
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

Viper 5901 p/n 5702V
Responder LC3 2-Way Security and Remote Start System

- Includes One 5-Button LCD 2-Way SuperCode SST Remote and One 5-Button 1-Way SuperCode SST Remote
- 24 channel remote start, security and keyless entry system
- SST One Mile Range
- Priority Icon Map with 20% larger display
- Rechargeable battery with mini-USB charging port
- Priority User Interface
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tech–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Confirms commands and notifies of system triggers on the remotes LCD screen
- Tone and vibrate alert modes
- Defroster Output*
- Active Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- SuperCode Technology
- Smart Start & Timer start
- XPRESSPORT™

* Additional parts and labor may be required.

Viper 5701 p/n 5202V
Responder LE 2-Way Security and Remote Start System

- Includes One 5-Button 2-Way Remote and One 5-Button 1-Way Remote
- 24 channel remote start, security and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Confirms commands and notifies of system triggers with Ghostlights™ LEDs
- Tone and vibrate alert modes
- Defroster Output*
- Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- SuperCode Technology
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

Viper 5601 p/n 5102V
1-Way Security and Remote Start System

- Includes Two 5-Button 1-Way SuperCode Remotes
- 24 channel remote start, security and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Defroster Output*
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

VIPER - NO ONE DARES COME CLOSE®

SECURITY SYSTEMS

Viper 5002
LCD 2-Way

Viper 3002
LED 2-Way

Viper 1002
1-Way

Responder 350
LCD 2-Way

Viper 350 Plus
1-Way

No One Dares Come Close™ to Viper, because the world leader in vehicle security offers more choices for you and your customers, from affordable 1-Way to top-of-the-line 2-way systems that provide state of the art protection against thieves and vandals! For customers who don't want to give up their factory key, Viper also offers innovative OEM Security Upgrades that add the pre-entry protection of the Stinger® DoubleGuard® shock sensor, Revenger® six-tone siren and Failsafe® starter kill to virtually any factory keyless entry system.

Viper 5002 p/n 3302V
2-Way Security System with Responder Technology

- 6 channel security/keyless entry system
- Confirms commands and system triggers on the transceiver LCD screen
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Parking Light Flash
- Failsafe® Starter Kill – On-board Relay
- Remote Adjustable Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision – On-board Relay
- Comfort Closure
- 5 Auxiliary Outputs
- Horn Honk
- Includes One 2-Way Responder Transceiver and One 4-button transmitter

Viper 3002 p/n 3202V
LED 2-Way Security System

- 6 channel security/keyless entry system
- Confirms commands and system triggers using flashing LEDs on the transceiver
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Parking Light Flash
- Failsafe® Starter Kill – On-board Relay
- Remote Adjustable Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision – On-board Relay
- Comfort Closure
- 5 Auxiliary Outputs
- Horn Honk
- Includes One LED 2-Way Transceiver and One 4-button transmitter

Viper 1002 p/n 3102V
Security System

- 6 channel security/keyless entry system
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Parking Light Flash
- Failsafe® Starter Kill – On-board Relay
- Remote Adjustable On-board Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision – On-board Relay
- Retained Accessory Power
- Comfort Closure
- 5 Auxiliary Outputs
- Horn Honk
- Includes Two 4-button Transmitters

Viper Responder 350 p/n 3305V
2-Way Security System

- 3 channel security/keyless entry system
- Clone-Safe® Code-Hopping®
- Parking Light Flash
- Failsafe® Starter Kill
- On-board Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Comfort Closure
- 2 Auxiliary Outputs
- Includes One 2-Way Responder transceiver and One 1-way Transmitter

Viper 350 Plus p/n 3105V
Security System

- 3 channel security/keyless entry system
- Includes two 4-button remotes
- Control Center with integrated valet switch and bright blue Status LED
- Clone-Safe® Code-Hopping®
- Parking Light Flash
- Failsafe® Starter Kill
- On-board Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Comfort Closure
- 2 Auxiliary Outputs

Viper 350 HV p/n 426V
Security System

The classic Viper 350 will still be available in Q1– see your representative for more details.

KEYLESS ENTRY SYSTEM

Viper 211HV p/n 412V
1-Way Keyless Entry System

- Ignition Controlled Door Locks
- Panic/Car Locator*
- Interior Light Illumination*
- Comfort Closure*
- 2 Auxiliary Outputs
- 2nd Unlock Output*
- Limited Lifetime Warranty

OEM SECURITY UPGRADE FOR KEYLESS ENTRY SYSTEMS

Viper 330V p/n 427V
Security Upgrade for OEM Keyless Entry System

- Uses Factory Transmitters
- Parking Light Flash
- Failsafe® Starter Kill – On-board Relay
- On-board Stinger® DoubleGuard® Shock Sensor
- Active / Passive Arming
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Ground When Armed output
- Ignition Controlled Door Locks
- Dome Light Supervision
- Horn Honk Output
- 1 Auxiliary Output

Viper 3901V p/n 3901V
CANBUS Security Upgrade for OEM Keyless Entry System

- Uses Factory Transmitters
- Powered by XPressKit- Web Enabled
- Parking Light Flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Siren
- Stinger® DoubleGuard® Shock Sensor
- Active / Passive Arming
- Bright Blue LED Status Indicator
- Ground When Armed output
- Horn Honk*
- 1 Auxiliary Output
- Limited Lifetime Warranty

Viper 3902V p/n 3902V
CANBUS Security Upgrade for OEM Keyless Entry System

- Uses Factory Transmitters
- Powered by XPressKit- Web Enabled
- Parking Light Flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Siren
- Stinger® DoubleGuard® Shock Sensor
- Active / Passive Arming
- Bright Blue LED Status Indicator
- Ground When Armed output
- Horn Honk*
- 1 Auxiliary Output
- Limited Lifetime Warranty

Viper 3903V p/n 3903V
CANBUS Security Upgrade for OEM Keyless Entry System

- Uses Factory Transmitters
- Powered by XPressKit- Web Enabled
- Parking Light Flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Siren
- Stinger® DoubleGuard® Shock Sensor
- Active / Passive Arming
- Bright Blue LED Status Indicator
- Ground When Armed output
- Horn Honk*
- 1 Auxiliary Output
- Limited Lifetime Warranty

REMOTE START
SYSTEMS

Viper 5901
Color 2-Way

Viper 5301
LE 2-Way

Viper 5101
1-Way SuperCode™

Responder One
One Button 2-Way

Viper remote starts more vehicles than anyone on the planet - including stick shift vehicles – and Viper systems have the very latest digital OEM integration technologies built in! Most include the Innovations Award-winning Xpressport, which allows the CANMAX400DEI dockable bypass & interface to snap right into the Viper CPU, making a direct digital connection.
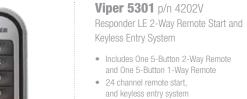

Viper 5501 p/n 4702V
Responder LC3 2-Way Remote Start
with Keyless Entry

- Includes One 5-Button LCD 2-Way SuperCode SST Remote and One 5-Button 1-Way SuperCode SST Remote
- 24 channel remote start, and keyless entry system
- SST One Mile Range
- Priority Icon Map with 20% larger display
- Rechargeable battery with mini-USB charging port
- Priority User Interface
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tech–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Confirms commands on the remotes LCD screen
- Tone and vibrate alert modes
- Defroster Output*
- Active Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- SuperCode Technology
- Smart Start & Timer Start
- XPRESSPORT ™

*   Additional parts and labor may be required.

Viper 5301 p/n 4202V
Responder LE 2-Way Remote Start and
Keyless Entry System

- Includes One 5-Button 2-Way Remote and One 5-Button 1-Way Remote
- 24 channel remote start, and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Confirms commands and notifies of system triggers with Ghostlights™ LEDs
- Tone and vibrate alert modes
- Defroster Output*
- Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- Smart Start & Timer Start
- XPRESSPORT ™

* Additional parts and labor may be required.

Viper 5101 p/n 4102V
1-Way Remote Start

- Includes Two 5-Button 1-Way SuperCode Remotes
- 24 channel remote start, and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Defroster Output*
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- Smart Start & Timer Start
- XPRESSPORT ™

* Additional parts and labor may be required.

Viper Responder One p/n 4203V
1-Button Remote Start

- Includes Two ultra-mini 1-Button 2-Way SuperCode Remotes
- Remote Start system
- Virtual Tach
- D2D port for Plug-in Xpresskit vehicle interface
- Parking Light Flash
- Unlock while running*
- Extreme Capacity Relays onboard
- Defroster Output*
- Horn Honk*
- SuperCode™- up to 2000 foot range

*   Additional parts and labor may be required.

PRODUCT FEATURES

Feature		Security with Remote Start				Security					OEM Security Upgrade		Remote Start				Keyless Entry
		7901	5901	5701	5601	5002	3002	1002	Responder 350	350 PLUS	3901/2/3	330V	5501	5301	5101	Responder One	211HV
Transmitter	Priority User Interface - 4 AUX, 24 functions	•	•	•	•								•	•	•		
	Receiver Channels	24	24	24	24	6	6	6	3	3			24	24	24	2	3
	Receiver Technology	Responder SST	Responder SST	SuperCode	SuperCode	2-way	2-way	XR+	Responder	XR+			Responder SST	SuperCode	SuperCode	SuperCode	HF
	18 Quintillion codes/Clone-Safe Code Hopping®	•	•	•	•	•	•	•	•	•			•	•	•	•	•
	Range Extender Antenna	•	•	•	•	•	•	•	•	•			•	•	•	•	•
	Priority 2-car operation	•	•	•	•								•	•	•		
	Replacement 2-Way Transceiver Part Number	7941V	7752V	7251V		489V	488V		489V				7752V	7251V		TBD	
	Replacement 1-Way Transmitter Part Number	7652V	7652V	7152V	7153V	7141V	7141V	7141V	7142V	7142V	N/A	N/A	7652V	7152V	7153V		474V
Convenience/Installation	XPRESSPORT Vehicle Interface Dock	•	•	•	•								•	•	•		
	D2D Interface Serial Port	•	•	•	•								•	•	•	•	
	Integrated CAN Vehicle Interface										•						
	Control Center Valet and Switch in Antenna	•	•	•	•					•	•		•	•	•	•	B
	Parking Light Flash	Flex Relay	Flex Relay	Flex Relay	Flex Relay	B	B	B	B	B	(-/Data)	B	Flex Relay	Flex Relay	Flex Relay	•	B
	Power Door Locks	(+/-)	(+/-)	(+/-)	(+/-)	B	B	B	(+/-)	(+/-)	Input	Input	(+/-)	(+/-)	(+/-)	(-) Unlock	
	Sensor Adjustable from Remote	•	•	•	•	•	•	•									•
	Door Lock Pulse Duration 0.4/0.8/3.5 sec.	•	•	•	•	•	•	•	•	•			•	•	•		•
	Power Trunk, Channel 2 Output	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•
	Single/Double Unlock Pulse	•	•	•	•	•	•	•	•	•			•	•	•		•
	Unit will accept how many remotes	4	4	4	4	4	4	4	4	4			4	4	4	4	
	Ignition Controlled Door locks On/Off	•	•	•	•	•	•	•	•	•			•	•	•		
	Active/Passive Locking	•	•	•	•	•	•	•	•	•		•	•	•	•		
	Remote Valet®	•	•	•	•	•	•	•	•	•		•	•	•	•		
	Silent Mode	•	•	•	•	•	•	•	•	•		•	•	•	•		
	Bitwriter™ Programmable	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	ESP™ Owner Recognition	•	•	•	•	•	•	•	•	•			•	•	•		
	Domelight Supervision Output	•	•	•	•	B	B	B	•	•		•	•	•	•		B
	Second unlock output (-)	•	•	•	•	•	•	•	•	•			•	•	•		•
	Retained Accessory Power					•	•	•								•	•
	Comfort Closure	•	•	•	•	•	•	•	•	•			•	•	•		•
	Double Pulse Lock	•	•	•	•	•	•	•	•	•			•	•	•		•
	ESP™ Transmitter Code Linking	•	•	•	•	•	•	•	•	•							
	Panic	•	•	•	•	•	•	•	•	•		•	OPTION	OPTION	OPTION	OPTION	OPTION
	Failsafe® Starter Kill	•	•	•	•	B	B	B	•	•	•	•	OPTION	OPTION	OPTION	OPTION	
	Stinger® DoubleGuard® Shock Sensor	•	•	•	•	•	•	•	•	•	•	•					
	GPP Guaranteed Protection Plan	•	•	•	•	•	•	•	•	•	•	•	OPTION	OPTION	OPTION	OPTION	•
	Revenger® Six-Tone Soft Chirp Neo Siren	•	•	•	•	•	•	•	•	•	•	•					
	Nuisance Prevention Circuitry (NPC™) On/Off	•	•	•	•	•	•	•	•	•	•	•					
	Warn Away®	•	•	•	•	•	•	•	•	•	•	•					•
	Normally Closed / Normally Open Starter Kill	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
	Progressive/Instant Door Trigger	•	•	•	•	•	•	•	•	•	•	•					
	Vehicle Recovery System®					•	•	•	•	•		•					
	VRS® enable via remote control					•	•	•									
	Silent Mode2 sirenless arming	•	•	•													
	Ign. Controlled Domelight On/Off	•	•	•	•	•	•	•	•	•	•	•	•	•			
Security	Status LED Light	•	•	•	•	•	•	•	•	•	•	•	•	•			
	High Security Disarm	•	•	•	•	•	•	•	•	•							
	ESP™ Ghost Switch	•	•	•	•	•	•	•	•	•			•	•			
	Multi-level Arming	5	5	5	5	7	7	7	4	4	4	4	•	•			
	Zone Identification	Via Remote	Via Remote	Via Remote	•	Via Remote	Via Remote	•	•	•	•	•	•	•			
	Long Term Event History	•	•	•	•	•	•	•	•	•			•	•			
	Active/Passive Arming	•	•	•	•	•	•	•	•	•			•	•			
	Chirps On/Off	•	•	•	•	•	•	•	•	•			•	•			
	Panic with Ign. On/Off	•	•	•	•	•	•	•	•	•			•	•			
	Forced Passive Arming On/Off	•	•	•	•	•	•	•	•	•			•	•			
	OEM Security Alert												•	•			
	Selectable Siren / Horn Honk Output	•	•	•	•	•	•	•	•	•	•	•					
	Siren Duration in Seconds	1-180	1-180	1-180	1-180	1-180	1-180	1-180	1-180	1-180	1-180	1-180					
	Transmitter Programming Lock/Unlock	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
	Operator Settings Lock/Unlock	•	•	•	•	•	•	•	•	•			•	•	•		
	Transmitter Zap					•	•	•	•	•							•
	Dedicated (-) Horn Output	•	•	•	•	•	•	•	•	•		•	•	•	•		
	Disarm w/ Channel 2	•	•	•	•	•	•	•	•	•	•		•	•	•		
	Sensor Shunt Input					•	•	•			•	•					
Remote Start	Remote Start™ *	•	•	•	•	Option	Option	Option	Option	Option	Option	Option	•	•	•	•	Option
	Virtual Tach™	•	•	•	•								•	•	•	•	
	Manual-Transmission Compatible	•	•	•	•								•	•	•		
	Temp Check	Active	Active	•									Active	•			
	XCR - On-board Start Relays	•	•	•	•								•	•	•	•	
	On-board RS Flex Relay	•	•	•	•								•	•	•		
	Engine Checking On/Off	•	•	•	•								•	•	•	•	
	Runtime alert with Runtime Reset	•	•	•									•	•			
	Run Time in Minutes	1-60	1-60	1-60	1-60								1-60	1-60	1-60	1-60	
	Crank Times 0.6 - 4.0 seconds	•	•	•	•								•	•	•	•	
	Remote Start Status Output	•	•	•	•								•	•	•	•	
	Factory Disarm	•	•	•	•								•	•	•	•	
	Factory Disarm w/ Channel 2 On/Off	•	•	•	•								•	•	•	•	
	Dedicated Factory Re-arm Output	•	•	•	•								•	•	•	•	
	Dedicated Defroster Output	•	•	•	•								•	•	•	•	
	Turbo Timer	•	•	•	•								•	•	•	•	
	Anti-Grind	•	•	•	•								Option	Option	Option	Option	
	Built-in Wait-to-Start Timer	•	•	•	•								•	•	•		
	Timer Mode and Smart Start modes	•	•	•	•								•	•	•		
	On-board Thermistor (Temp Check, Smart Start)	•	•	•	•								•	•	•		

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